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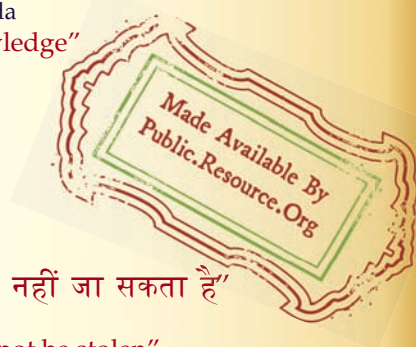
IS 7033 (1973): Commercial moisture regain value for wool and its products [TXD 4: Wool and Wool Products]



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Indian Standard

COMMERCIAL MOISTURE REGAIN VALUES FOR WOOL AND ITS PRODUCTS

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COMMERCIAL MOISTURE REGAIN VALUES FOR WOOL AND ITS PRODUCTS

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Indian Standard

COMMERCIAL MOISTURE REGAIN VALUES FOR WOOL AND ITS PRODUCTS

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 18 October 1973, after the draft finalized by the Wool and Wool Products Sectional Committee had been approved by the Textile Division Council.

0.2 Wool is a highly hygroscopic fibre. Hence, the weight of a consignment of wool or its products changes depending upon the atmospheric conditions and the environments, which lead to ambiguities. The need for fixing commercial moisture regain values for wool and its products has, therefore, been keenly felt by the industry and trade to overcome such ambiguities.

0.3 The commercial moisture regain values as recommended in the standard are not experimentally determined quantities but purely arbitrary values arrived at for commercial purposes. The actual moisture regain values of wool and its products, when in moisture equilibrium with the standard atmosphere for testing, bear no consistent relation to the commercial moisture regain values specified in the standard. Equilibrium moisture regain value depends upon the previous history of the material.

0.4 For determining correct invoice weight of woollen and worsted yarn, the method specified in IS : 4902-1968* shall be followed.

1. SCOPE

1.1 This standard recommends the commercial moisture regain values for wool and its products.

2. TERMINOLOGY

2.1 Commercial Moisture Regain — An arbitrary value formally

*Method for determination of correct invoice weight and moisture content of woollen and worsted yarns.

adopted as the regain to be used with the oven-dry weight when calculating:

- a) linear density of wool yarn,
- b) commercial or legal weight of a shipment or delivery of wool and its products, or
- c) the weight of wool in the analysis of fibre blends.

3. RECOMMENDED MOISTURE REGAIN VALUES

3.1 The commercial moisture regain values for wool and its products are recommended as given below:

Scoured wool	17·00 percent
Tops:	
Oil-combed	19·00 percent
Dry-combed	18·25 percent
Noils:	
Oil-combed	14·00 percent
Dry-combed	16·00 percent
Scoured and carbonized	16·00 percent
Yarn:	
Woollen	17·00 percent
Worsted	
Oil-spun	18·25 percent
Dry-spun	18·25 percent
Hand-knitting wool	18·25 percent
Fabric	16·00 percent

INDIAN STANDARDS

ON

WOOL AND WOOL PRODUCTS

IS:

15-1963	Grading of wool for export (<i>revised</i>)
673-1973	Cloth, woollen, twill, dyed (<i>second revision</i>)
674-1973	Flannel, hospital, grey (<i>second revision</i>)
675-1973	Bunting, worsted (<i>second revision</i>) (<i>superseding IS : 676-1963</i>)
677-1963	Cloth, drab mixture, woollen (water resistant) No. 1 (<i>revised</i>)
678-1963	Cloth, drab mixture, woollen (water resistant) No. 2 (<i>revised</i>)
679-1963	Great coat cloth, woollen (<i>revised</i>)
680-1963	Cloth barathea (<i>revised</i>)
1530-1972	Baize cloth (<i>first revision</i>)
1531-1972	Blanketing cloth (<i>first revision</i>)
1681-1972	Hospital blankets, woollen, dyed (<i>first revision</i>)
1719-1969	Felts, woollen (<i>first revision</i>)
1721-1970	Hair belting yarn (<i>revised</i>)
1793-1972	Guide for marking textile materials made of wool (<i>first revision</i>)
2319-1969	Serge (<i>first revision</i>)
2900-1970	Grading of raw wool for internal market (<i>first revision</i>)
5910-1970	Fineness grades of wool
5911-1970	Fineness grades of wool tops
6054-1970	Clearer cloth
6055-1970	Sizing flannel

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